

Oil types Automatic transmission fluid (ATF)

For 2-planetary gear transmissions
(except converter-type transmissions)
approved type A, suffix A oils

refer to „Specifications for Service Products“ page 236.2

For 3-planetary gear transmissions
and all converter-type transmissions
approved Dexron B-oils

refer to „Specifications for Service Products“ page 236.4

For survey of transmission versions refer to job no. 170

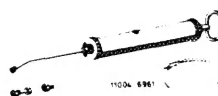
Special tools

Filling funnel



111 589 04 63 00

Syringe



112 589 00 72 00

Note

Too little or too much oil will impair the proper functioning of the transmission. Therefore, check the oil level regularly with the transmission oil dip stick accessible from the engine compartment. During this check, place vehicle on level ground ready for driving.

The oil level in the transmission changes with the oil temperature. The min. and max. mark on oil dip stick

refers to an **oil temperature of 80°C/176°F** (transmission at operating temperature).

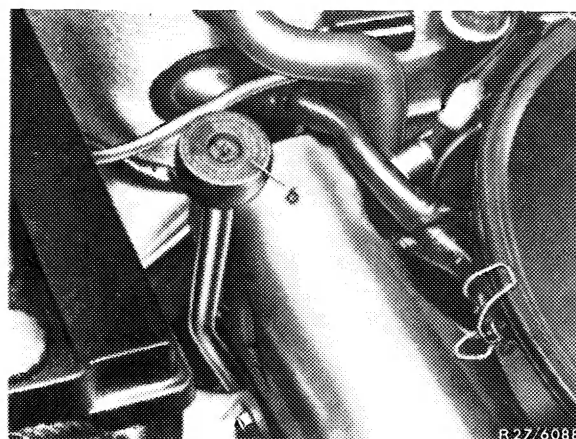
However, at an **oil temperature of 20–30°C (68–86°F)** the max. oil level of all **transmissions with fluid coupling** (except K 4 A 040) is indicated at **min. mark**, of **transmission K 4 A 040** **20 mm below min. mark**, and on all **converter-type transmissions** **30 mm below min. mark**.

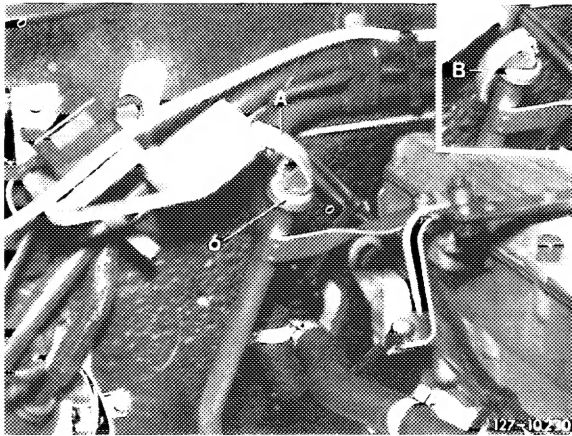
Checking

- Tighten parking brake.
- Place selector lever in position „P“.
- Run engine for 1 to 2 minutes.

Oil dip stick without clamping lock:

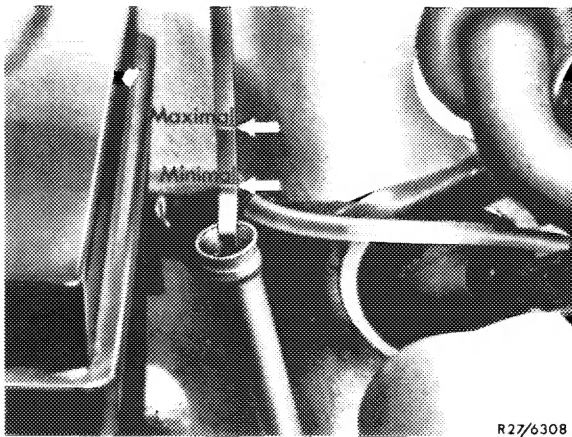
- Pull out oil dip stick (6) with engine running, wipe with lint-free cloth (leather is best), immerse fully for measuring, pull out again and read oil level.





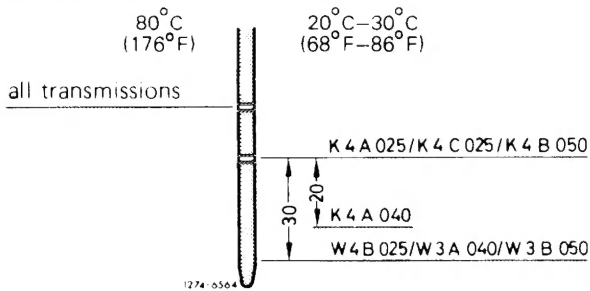
Oil dip stick with clamping lock:

- Open closing lever (position A), pull out oil dip stick (6), wipe with lint-free cloth (leather is best).
- To measure, immerse dip stick fully with closing lever opened, pull out again and read oil level.
- Upon measuring or correction of oil level, move closing lever again into position B.



- The oil level is correct if, with the transmission at operating temperature, level is at max. mark.

Max. oil level at oil temperature

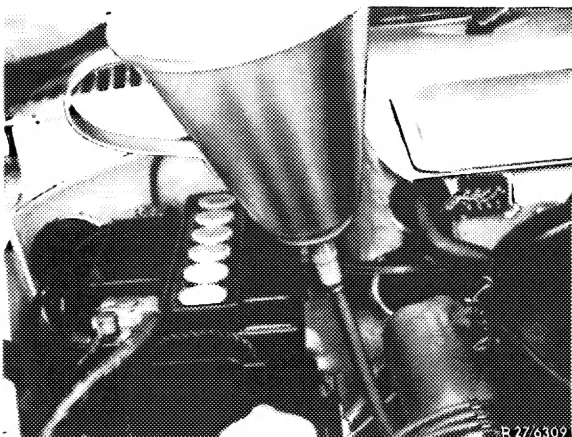


- At a transmission oil temperature of 20–30°C (68–86°F) and correct oil level, and depending on type of transmission, the indication should be either at min. mark or correspondingly lower.

Corrections

- Add required oil quantity through funnel into guide tube for oil dipstick, with the engine running.

Note: Reference value: the distance between the min. and max. mark on oil dip stick corresponds to approx. 0.3 l of transmission oil.



If, after adding oil, the specified oil level is attained, move selector lever into position R—N—D—N—R, leave for a few seconds in each position and return back to position „P“, so that the power pistons of the servo members will be supplied with oil. Then check oil level once again and adjust, if required.

When the **oil level is too low**, the oil pump will **draw air**, which can be clearly heard. The **oil will foam** and **wrong results** will show up during the oil level checkup. Stop engine until oil is no longer foaming (approx. 2 minutes). Add oil and check oil level.

- **Be sure to drain or draw off excessive transmission oil**, since otherwise unnecessary paddling and splashing of transmission gears will result. The temperature will increase to unpermissible limits until the foaming oil will be ejected through breather. **Extended operation** will result in **transmission damage**. The syringe 112 589 00 72 00 for flushing oil cooler, together with a hose, can be used for drawing off excessive transmission oil.

